Computer Science

**CS 450  Numerical Analysis**  credit: 0 TO 4 hours.

Linear system solvers, optimization techniques, interpolation and approximation of functions, solving systems of nonlinear equations, eigenvalue problems, least squares, and quadrature; numerical handling of ordinary and partial differential equations. Same as CSE 401, ECE 491, and MATH 450. 3 undergraduate hours. 3 or 4 graduate hours. Credit is not given for both CS 450 and CS 457.

Prerequisite: CS 101 or CS 125; CS 357 or MATH 415; MATH 285.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type</th>
<th>Section</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
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</thead>
<tbody>
<tr>
<td>31427</td>
<td>Lecture-Discussion</td>
<td>B3</td>
<td>12:30 PM - 01:45 PM</td>
<td>WF</td>
<td>1404 - Siebel Center for Comp Sci</td>
<td>Fischer, P</td>
</tr>
</tbody>
</table>

Credit Hours: 3 hours
Restricted to Undergrad - Urbana-Champaign.
For up-to-date information about CS course restrictions, please see the following link: http://go.cs.illinois.edu/CSregister

| 31430 | Lecture-Discussion| B4      | 12:30 PM - 01:45 PM | WF   | 1404 - Siebel Center for Comp Sci | Fischer, P |

Credit Hours: 4 hours
Restricted to Graduate - Urbana-Champaign.
For up-to-date information about CS course restrictions, please see the following link: http://go.cs.illinois.edu/CSregister